

## AUTHOR INDEX

Adams, F.  
—, Adriaens, A., Berghmans, P. and Janssens, K.  
Surface microanalysis 19

Adams, F., see Janssens, K. 98

Adriaens, A., see Adams, F. 19

Adriaensens, P., see Hoogmartens, I. 1025

Agraz, R.  
—, Sevilla, M.T. and Hernández, L.  
Copper speciation analysis using a chemically modified electrode 650

Aizpún Fernández, B., see Valdés-Hevia y Temprano, M.C. 175

Albertí, J., see Rubio, R. 160

Alçada, M.N.M.P.  
—, Lima, J.L.F.C. and Montenegro, M.C.B.S.M.  
Quinidine ion-selective electrode for potentiometric determinations in pharmaceutical preparations 657

Alés Barrero, F., see Cruces Blanco, C. 213

Arnold, M.A., see Pan, S. 663

Arroyo Cortéz, J., see López García, I. 167

Arruda, M.A.Z.  
—, Zagatto, E.A.G. and Maniasso, N.  
Kinetic determination of cobalt and nickel by flow-injection spectrophotometry 476

Backbier, L.  
—, Rousseau, J. and Bart, J.C.J.  
Analytical study of salt migration and efflorescence in a mediaeval cathedral 855

Baeza Baeza, J.J.  
—, Matsumoto, K. and Mottola, H.A.  
Comparative studies on data collection and data treatment in kinetic-based determinations with two rotating bioreactor/amperometric detection systems 785

Baltensperger, U., see Seefeld, S. 246

Barbosa, J.  
— and Sanz-Nebot, V.  
Standard pH values in non-aqueous mobile phases used in reversed-phase liquid chromatography 320

Barendswaard, W.  
—, Moonen, J. and Neilen, M.  
Analysis of polymer stabilizers by means of solid state NMR: some case studies 1007

Barnes, R.M.  
Advances in inductively coupled plasma mass spectrometry: human nutrition and toxicology 115

Bart, J.C.J., see Backbier, L. 855

Beltran, J.  
—, López, F.J. and Hernández, F.  
Solid-phase extraction of pesticide residues from ground water: comparison between extraction cartridges and extraction discs 297

Berghmans, P., see Adams, F. 19

Borguet, F., see Cornelis, R. 183

Bos, M., see Pałys, M.J. 811

Bosch-Reig, F.  
—, Campíns-Falcó, P. and Verdú-Andrés, J.  
Development of the H-point standard additions method for analyte determinations in unknown matrix. Location of linear matrix spectral interval 831

Brázdová, D., see Kalous, J. 645

Bruchmann, A.  
—, Zinn, P. and Haffer, Chr.M.  
Prediction of gas chromatographic retention index data by neural networks 869

Cámara, C., see Marco, V. 489

Camara, C., see Cobo Fernandez, M.G. 386

Campillo, N., see Viñas, P. 393

Campíns-Falcó, P., see Bosch-Reig, F. 831

Campíns Falcó, P., see Molins Legua, C. 635

Cano Pavon, J.M., see Vereda Alonso, E. 224

Caravatti, P., see Struyf, H. 139

Caroli, S.  
Certified reference materials: use, manufacture and certification 573

Carrillo, F., see Marco, V. 489

Casamayor, F., see Maquieira, A. 401

Casassas, E.  
—, Domínguez, N., Fonrodona, G. and De Juan, A.  
Factor analysis applied to the study of the effects of solvent composition and nature of the inert electrolyte on the protonation constants in dioxane-water mixtures 548

—, Gargallo, R., Giménez, I., Izquierdo-Ridorsa, A. and Tauler, R.  
Application of an evolving factor analysis-based procedure to speciation analysis in the copper(II)-polyuridylic acid system 538

Cerezo Galan, A., see Ismail Salem, I. 334

Cholewa, N., see Legge, G.J.F. 62

Ciocan, A., see Hiddeemann, L. 152

Cobo Fernandez, M.G.  
—, Palacios, M.A. and Camara, C.

Flow-injection and continuous-flow systems for the determination of Se(IV) and Se(VI) by hydride generation atomic absorption spectrometry with on-line prereduction of Se(VI) to Se(IV) 386

Compañó, R.  
—, Granados, M., Leal, C. and Prat, M.D.  
Solid-phase extraction and spectrofluorimetric determination of triphenyltin in environmental samples 272

Cornelis, R.  
—, Borguet, F. and De Kimpe, J.  
Trace elements in medicine. Speciation: the new frontier 183

Cosano, J., see Quevauviller, Ph. 600

Crouch, S.R.  
Trends in kinetic methods of analysis 453

Cruces Blanco, C.  
—, García Campaña, A., Alés Barrero, F. and Román Ceba, M.  
Simultaneous spectrofluorimetric determination of traces of molybdenum and boron in plant leaves 213

Cruz, I.  
—, Wells, D.E. and Marr, I.L.  
Determination of organochlorines in sea water: an assessment 280

Dasgupta, P.K., see Liu, S. 739, 747

De Juan, A., see Casassas, E. 548

De Kimpe, J., see Cornelis, R. 183

De la Peña, L.  
—, Gómez-Hens, A. and Pérez-Bendito, D.  
Simultaneous kinetic-photometric determination of imipramine and desipramine by stopped-flow mixing technique 471

De la Rosa, F.F., see Lin, Q. 379

Dessenne, O., see Hidemann, L. 152

Díaz-García, M.E., see Valencia-González, M.J. 439

Dombek, V., see Praus, P. 917

Domínguez, N., see Casassas, E. 548

Do Nascimento, D.B.  
— and Schwedt, G.  
Off-line and on-line preconcentration of trace levels of beryllium using complexing agents with atomic spectroscopic and fluorimetric detection 909

Do Nascimento, P.C.  
— and Schwedt, G.  
Comparative studies of the determination of cyanide at low concentration levels in waste waters 755

Dunemann, L.  
— and Hajimiragha, H.  
Development of a screening method for the determination of volatile organic compounds in body fluids and environmental samples using purge and trap gas chromatography-mass spectrometry 199

Dybowski, C.R., see Rethwisch, D.G. 1033

Eagles, J., see Mellon, F.A. 190

Ebdon, L., see García-Alonso, J.I. 261

Eckert, H., see Franke, D. 987

Ellis, P.D., see Koons, J.M. 1045

El'skaya, A.V., see Soldatkin, A.P. 695

Elswijk, H.B.  
Scanning tunnelling microscopy of silicon surfaces 35

Engelhardt, G.  
—, Sieger, P. and Felsche, J.  
Multinuclear solid state NMR of host-guest systems with  $\text{TO}_2$  ( $T = \text{Si}, \text{Al}$ ) host-frameworks. A case study on sodalites 967

Escobar, R., see Lin, Q. 379

Fairweather-Tait, S.J., see Mellon, F.A. 190

Fan, Z., see Harrison, D.J. 361

Felsche, J., see Engelhardt, G. 967

Fernández-Romero, J.M.  
—, Luque de Castro, M.D., Valcárcel, M. and Quiles-Zafra, R.  
Spectrophotometric determination of magnesium in serum by using a flow-injection system with an immobilized enzyme reactor 447

Fernández de la Campa, M.R., see Valdés-Hevia y Temprano, M.C. 175

Fiedor, J.N., see Hercules, D.M. 42

Fonrodona, G., see Casassas, E. 548

Fox, T.E., see Mellon, F.A. 190

Franke, D.  
—, Eckert, H., Kaner, R.B. and Treece, R.E.  
Quantitative evaluation of gallium phosphide samples prepared from rapid solid state metathesis. Solid state  $^{31}\text{P}$  and  $^{69}\text{Ga}$  magic angle spinning NMR strategies 987

Frimmel, F.H., see Schuller, S. 251

García-Alonso, J.I.  
—, Sanz-Medel, A. and Ebdon, L.  
Determination of butyltin ion species by ion-exchange chromatography with inductively coupled plasma mass spectrometric and spectrofluorimetric detection 261

García Beltran, L., see Rubio, R. 207

García Campaña, A., see Cruces Blanco, C. 213

Garcia de Torres, A., see Vereda Alonso, E. 224

Gargallo, R., see Casassas, E. 538

Gautier, E.A.  
—, Gettar, R.T. and Servant, R.E.  
Simultaneous determination of lanthanum, strontium and copper in superconductor materials by ion chromatography 350

Gelan, J., see Hoogmartens, I. 1025

Gerstein, B.C.  
—, Pruski, M. and Hwang, S.-J.  
Determination of proton densities on silica gel catalyst supports by  $n$ -quantum coherence in NMR 1059

Gettar, R.T., see Gautier, E.A. 350

Gijbels, R., see Struyf, H. 139

Giménez, I., see Casassas, E. 538

Glennon, J.D., see Ryan, N. 344

Gómez-Hens, A., see De la Peña, L. 471

Granados, M., see Compañó, R. 272

Griepink, B., see Maier, E.A. 590

Griepink, B., see Quevauviller, Ph. 583, 600  
Griffin, R.G., see Griffiths, J.M. 1081  
Griffiths, J.M.  
— and Griffin, R.G.  
Nuclear magnetic resonance methods for measuring dipolar couplings in rotating solids 1081  
Gübitz, G.  
— and Shellum, C.  
Flow-injection immunoassays. Review 421  
Guiochon, G.A.  
Chromatography, today and tomorrow 309  
Guiraúm, A., see Lin, Q. 379  
Gutzman, D.W.  
— and Langford, C.H.  
Application of thermal lens spectrometry to kinetic speciation studies of metal ions in natural water models with colloidal ligands 773

Haffer, Chr.M., see Bruchmann, A. 869  
Hajimiragha, H., see Dunemann, L. 199  
Håkanson, H., see Shu, H.-C. 727  
Hamplová, V., see Novák, J. 923  
Harrison, D.J.  
—, Fan, Z., Seiler, K., Manz, A. and Widmer, H.M.  
Rapid separation of fluorescein derivatives using a micro-machined capillary electrophoresis system 361  
Hercules, D.M.  
—, Houalla, M., Proctor, A. and Fiedor, J.N.  
Quantitation of species on catalyst surfaces 42  
Hernández-Cassou, S., see Saurina, J. 414  
Hernández, F., see Beltran, J. 297  
Hernández-Hernández, F., see Sancho-Llopis, J.V. 287  
Hernández, L., see Agraz, R. 650  
Hernández, L., see Pilar da Silva, M. 326  
Hernández Córdoba, M., see López García, I. 167  
Hernández Córdoba, M., see Viñas, P. 393  
Heumann, K.G.  
Determination of inorganic and organic traces in the clean room compartment of Antarctica 230  
Heydorn, K.  
Detecting errors in micro and trace analysis by using statistics 494  
Hiddemann, L.  
—, Uebbing, J., Ciocan, A., Dessenne, O. and Niemax, K.  
Simultaneous multi-element analysis of solid samples by laser ablation-microwave-induced plasma optical emission spectrometry 152  
Hogendoorn, E.A., see Sancho-Llopis, J.V. 287  
Hoogmartens, I.  
—, Adriaensens, P., Vanderzande, D. and Gelan, J.  
Improving selectivity by using a multipurpose cross polarization magic angle spinning NMR pulse sequence. Characterization of  $\pi$ -conjugated compounds 1025  
Houalla, M., see Hercules, D.M. 42  
Huang, X.Z., see Li, Y.Q. 903  
Huang, Y.L.  
—, Khoo, S.B. and Yap, M.G.S.

Flow-injection analysis-wall-jet electrode system for monitoring glucose and lactate in fermentation broths 763  
Hughes, E., see Koons, J.M. 1045  
Hwang, S.-J., see Gerstein, B.C. 1059

Imasaka, T., see Kawabata, Y. 689  
Ismail Salem, I.  
— and Cerezo Galan, A.  
Determination of the stability of morphine tablets by ion-pair reversed-phase liquid chromatography 334  
Isoyama, H., see Uchida, T. 881  
Izquierdo-Ridorsa, A., see Casassas, E. 538

Jacintha, M.A., see Rethwisch, D.G. 1033  
Jaffrezic-Renault, N., see Soldatkin, A.P. 695  
Janssens, K.  
—, Vincze, L., Adams, F. and Jones, K.W.  
Synchrotron radiation-induced x-ray microanalysis 98  
Janssens, K., see Adams, F. 19  
Jiang, Z., see Peng, X. 887  
Jones, K.W., see Janssens, K. 98

Kalous, J.  
—, Brázdová, D. and Vytrás, K.  
Microdetermination of sulphate and organic sulphur: potentiometric back-titration using simple coated-wire electrodes 645  
Kaner, R.B., see Franke, D. 987  
Kawabata, Y.  
—, Sugamoto, H. and Imasaka, T.  
Micro-optrode for urea using an ammonium ion-sensitive membrane covered with a urease-immobilized membrane 689  
Kawazumi, H.  
—, Yasuda, T.-o. and Ogawa, T.  
Two-photon ionization detection of adsorbed molecules on a metal surface at atmospheric pressure by 355-nm laser irradiation 111  
Kayali, M.N., see Rubio-Barroso, S. 304  
Khoo, S.B., see Huang, Y.L. 763  
Kikuchi, N.  
—, Matsuno, K. and Miki, T.  
Separation and determination of betaine in an oriental medicine by liquid chromatography 338  
Klinowski, J.  
Applications of solid-state NMR for the study of molecular sieves. Review 929  
Koenig, J.L., see Silvestri, R.L. 997  
Koons, J.M.  
—, Hughes, E. and Ellis, P.D.  
Non-linear least squares procedure for the extraction of NMR parameters from multi-tensor solid state line shapes 1045

Langford, C.H., see Gutzman, D.W. 773  
Laserna, J.J.  
Combining fingerprinting capability with trace analytical detection: surface-enhanced Raman spectrometry 607

Leal, C., see Compañó, R. 272

Legge, G.J.F.  
—, Saint, A. and Cholewa, N.

Non-destructive 2- and 3-dimensional microanalysis with (high energy) ion microprobes 62

Li, Y.Q.  
—, Huang, X.Z. and Xu, J.G.

Raman scattering interference in constant-wavelength synchronous spectrofluorimetry 903

Liapis, K.S., see Miliadis, G.E. 258

Lima, J.L.F.C., see Alçada, M.N.M.P. 657

Lin, Q.  
—, Guiraúm, A., Escobar, R. and De la Rosa, F.F.

Flow-injection chemiluminescence determination of cobalt(II) and manganese(II) 379

Liu, S.  
— and Dasgupta, P.K.

A simple means to increase absorbance detection sensitivity in capillary zone electrophoresis 747

— and Dasgupta, P.K.

Electroosmotically pumped capillary flow-injection analysis. Valve-based injection systems and sample throughput 739

Liu, Y.M., see Valencia-González, M.J. 439

López, F.J., see Beltran, J. 297

López Carreto, M.  
—, Sicilia, D., Rubio, S. and Pérez-Bendito, D.

Simultaneous determination of arsenate and phosphate by use of the kinetic wavelength-pair method 481

López García, I.  
—, Arroyo Cortéz, J. and Hernández Córdoba, M.

Slurry-electrothermal atomic absorption spectrometry of samples with large amounts of silica. Determination of cadmium, zinc and manganese using fast temperature programmes 167

López García, I., see Viñas, P. 393

Luque de Castro, M.D., see Fernández-Romero, J.M. 447

Luque de Castro, M.D., see Quevauviller, Ph. 600

Luque de Castro, M.D., see Richter, P. 408

Maier, E.A.  
—, Quevauviller, Ph. and Griepink, B.

Interlaboratory studies as a tool for many purposes: proficiency testing, learning exercises, quality control and certification of matrix materials 590

Maier, E.A., see Quevauviller, Ph. 583

Málková, Z., see Novák, J. 923

Maniasso, N., see Arruda, M.A.Z. 476

Manz, A., see Harrison, D.J. 361

Maquieira, A.  
—, Casamayor, F., Puchades, R. and Sagrado, S.

Determination of total and free sulphur dioxide in wine with a continuous-flow microdistillation system 401

Marco, V.  
—, Carrillo, F., Pérez-Conde, C. and Cámaras, C.

Kinetic flow-injection spectrofluorimetric method for the determination of fluoride 489

Marcos, J.  
—, Ríos, A. and Valcárcel, M.

Automatic determination of Michaelis-Menten constants by the variable flow-rate technique 429

Marr, I.L., see Cruz, I. 280

Martelet, C., see Soldatkin, A.P. 695

Masini, J.C.

Evaluation of neglecting electrostatic interactions on the determination and characterization of the ionizable sites in humic substances 803

Matsumoto, K., see Baeza Baeza, J.J. 785

Matsuno, K., see Kikuchi, N. 338

Mattiasson, B., see Shu, H.-C. 727

Mellon, F.A.  
—, Eagles, J., Fox, T.E. and Fairweather-Tait, S.J.

Absorption and bioavailability studies of mineral nutrients by mass spectrometry 190

Méndez, J.  
—, Quejido, A.J., Pérez-Pastor, R. and Pérez-García, M.

Chemometric study of organic pollution in the aerosol of Madrid 528

Meyerhoff, M.E., see Wang, E. 673

Miki, T., see Kikuchi, N. 338

Miliadis, G.E.  
— and Liapis, K.S.

Determination of arsenic residues in agricultural products of Milos island 258

Molins Legua, C.  
—, Campins Falcó, P. and Sevillano Cabeza, A.

Extractive-spectrophotometric determination of amphetamine in urine samples with sodium 1,2-naphthoquinone 4-sulphonate 635

Montenegro, M.C.B.S.M., see Alçada, M.N.M.P. 657

Moonen, J., see Barendswaard, W. 1007

Mottola, H.A., see Baeza Baeza, J.J. 785

Muller, D., see Ryan, N. 344

Nagy, A.  
— and Nagy, G.

Amperometric air gap cell for the measurement of free cyanide 795

Nagy, G., see Nagy, A. 795

Neilen, M., see Barendswaard, W. 1007

Netchiporuk, L.I., see Soldatkin, A.P. 695

Niemax, K., see Hiddemann, L. 152

Nigretto, J.-M., see Randriamahazaka, H. 719

Novák, J.  
—, Málková, Z., Pokorná, Z. and Hamplová, V.

Cerimetric determination of oxygen balance in oxide superconductors 923

Nyamsi Hendji, A.M., see Soldatkin, A.P. 695

Oda, H., see Uchida, T. 881

Oechsner, H.

Inorganic mass spectrometry for surface and thin film analysis 131

Ogawa, T., see Kawazumi, H. 111

Olson, D.L.  
— and Scheeline, A.  
The peroxidase-NADH biochemical oscillator: experimental system, control variables, and oxygen mass transport 703

Otto, M.  
Fuzzy logic for spectra interpretation 500

Padró, A., see Rubio, R. 160

Palacios, M.A., see Cobo Fernandez, M.G. 386

Pałys, M.J.  
—, Bos, M. and Van der Linden, W.E.  
Automatic polarographic elucidation of electrode mechanisms by means of a knowledge-based system. Part 3. Mechanisms ECE, EE and mechanisms involving adsorption 811

Pan, S.  
— and Arnold, M.A.  
Amperometric internal enzyme gas-sensing probe for hydrogen peroxide 663

Peng, X.  
—, Jiang, Z. and Zen, Y.  
On-line microcolumn preconcentration with desolvation and determination of trace elements by flow-injection inductively coupled plasma atomic emission spectrometry 887

Pérez-Bendito, D., see De la Peña, L. 471

Pérez-Bendito, D., see López Carreto, M. 481

Pérez-Conde, C., see Marco, V. 489

Pérez-García, M., see Méndez, J. 528

Pérez-Pastor, R., see Méndez, J. 528

Pilar da Silva, M.  
—, Procopio, J.R. and Hernández, L.  
Liquid chromatographic study of the photochemical decomposition of sodium ethylmercurithiosalicylate 326

Poe, R.B.  
— and Rutan, S.C.  
Effects of resolution, peak ratio and sampling frequency in diode-array fluorescence detection in liquid chromatography 845

Pokorná, Z., see Novák, J. 923

Polo-Díez, L.M., see Rubio-Barroso, S. 304

Pouchou, J.-L.  
X-Ray microanalysis of stratified specimens 81

Prat, M.D., see Compañó, R. 272

Praus, P.  
— and Dombek, V.  
Utilization of polyethylene glycol for the separation of chlorophenols by capillary isotachophoresis 917

Procopio, J.R., see Pilar da Silva, M. 326

Proctor, A., see Hercules, D.M. 42

Pruski, M., see Gerstein, B.C. 1059

Puchades, R., see Maquieira, A. 401

Quejido, A.J., see Méndez, J. 528

Queauviller, Ph.  
—, Maier, E.A. and Griepink, B.

Projects for the improvement and quality control of inorganic and organic analysis in environmental matrices 583  
—, Van Renterghem, D., Griepink, B., Valcarcel, M., Luque de Castro, M.D. and Cosano, J.  
Interlaboratory programme for the quality control of nitrate determination in freshwater 600

Queauviller, Ph., see Maier, E.A. 590

Queauviller, Ph., see Rubio, R. 207

Quiles-Zafra, R., see Fernández-Romero, J.M. 447

Ramis-Ramos, G.  
Analytical characteristics, applications and perspectives in thermal lens spectrometry 623

Randriamahazaka, H.  
— and Nigretto, J.-M.  
Electrochemical activation of human factor XII (Hageman factor) immobilized on carbon electrodes 719

Ratcliffe, C.I., see Ripmeester, J.A. 1103

Rauret, G., see Rubio, R. 160, 207

Rethwisch, D.G.  
—, Jacintha, M.A. and Dybowski, C.R.  
Quantification of  $^{13}\text{C}$  in solids using CPMAS-DD-NMR spectroscopy 1033

Richter, P.  
—, Luque de Castro, M.D. and Valcárcel, M.  
Spectrophotometric flow-through sensor for the determination of sulphur dioxide 408

Rigin, V.  
Simultaneous atomic fluorescence spectrometric determination of traces of iron, cobalt and nickel after conversion to their carbonyls and gas-phase atomization by microwave-induced plasma 895

Ríos, A., see Marcos, J. 429

Ripmeester, J.A.  
— and Ratcliffe, C.I.  
 $^{129}\text{Xe}$  NMR spectroscopy in microporous solids: the effect of bulk properties 1103

Rius, F.X.  
Expert systems in trace analysis 518

Román Ceba, M., see Cruces Blanco, C. 213

Rousseau, J., see Backbier, L. 855

Rubio-Barroso, S.  
—, Kayali, M.N. and Polo-Díez, L.M.  
Fluorimetric study of polycyclic aromatic hydrocarbons in Brij-35 micellar solution. Evaluation of polycyclic aromatic hydrocarbons in air samples 304

Rubio, R.  
—, Padró, A., Albertí, J. and Rauret, G.  
Determination of arsenic speciation by liquid chromatography-hydride generation inductively coupled plasma atomic emission spectrometry with on-line UV photooxidation 160  
—, Sahuquillo, A., Rauret, G., García Beltrán, L. and Queauviller, Ph.  
Systematic study of chromium determination in urine by graphite furnace atomic absorption spectrometry 207

Rubio, S., see López Carreto, M. 481

Rutan, S.C., see Poe, R.B. 845

Ryan, N.  
—, Glennon, J.D. and Muller, D.  
On-line trace metal ion preconcentration in ion chromatography using carboxymethyl and hydroxamate dextran-coated silicas 344

Sagrado, S., see Maquieira, A. 401  
Sahuquillo, A., see Rubio, R. 207  
Saint, A., see Legge, G.J.F. 62  
Sancho-Llopis, J.V.  
—, Hernández-Hernández, F., Hogendoorn, E.A. and Van Zoonen, P.  
Rapid method for the determination of eight chlorophenoxy acid residues in environmental water samples using off-line solid-phase extraction and on-line selective precolumn switching 287

Sanz-Medel, A.  
Solid surface photoluminescence and flow analysis: a happy marriage 367

Sanz-Medel, A., see Garcia-Alonso, J.I. 261  
Sanz-Medel, A., see Valdés-Hevia y Temprano, M.C. 175  
Sanz-Medel, A., see Valencia-González, M.J. 439  
Sanz-Nebot, V., see Barbosa, J. 320  
Saurina, J.  
— and Hernández-Cassou, S.  
Continuous-flow spectrophotometric determination of amino acids with 1,2-naphthoquinone-4-sulphonate reagent 414

Scheeline, A., see Olson, D.L. 703  
Schullerer, S.  
— and Frimmel, F.H.  
Characterization of organic sulphur compounds in surface water by ion-pair adsorption under different conditions 251

Schwedt, G., see Do Nascimento, D.B. 909  
Schwedt, G., see Do Nascimento, P.C. 755  
Seefeld, S.  
— and Baltensperger, U.  
Determination of bromide in snow samples by ion chromatography with electrochemical detection 246

Seiler, K., see Harrison, D.J. 361  
Servant, R.E., see Gautier, E.A. 350  
Sevilla, M.T., see Agraz, R. 650  
Sevillano Cabeza, A., see Molins Legua, C. 635  
Shellum, C., see Gübitz, G. 421  
Sherwood, P.M.A.  
Surface analysis for the investigation of electrochemical and corrosion systems 52

Shu, H.-C.  
—, Håkanson, H. and Mattiasson, B.  
D-Lactic acid in pork as a freshness indicator monitored by immobilized D-lactate dehydrogenase using sequential injection analysis 727

Shul'ga, A.A., see Soldatkin, A.P. 695  
Sicilia, D., see López Carreto, M. 481  
Sieger, P., see Engelhardt, G. 967  
Siles Cordero, M.T., see Vereda Alonso, E. 224

Silvestri, R.L.  
— and Koenig, J.L.  
Applications of nuclear magnetic resonance spectrometry to solid polymers. Review 997

Soldatkin, A.P.  
—, El'skaya, A.V., Shul'ga, A.A., Netchiporuk, L.I., Nyamsi Hendji, A.M., Jaffrezic-Renault, N. and Martelet, C.  
Glucose-sensitive field-effect transistor with additional Nafion membrane. Reduction of influence of buffer capacity on the sensor response and extension of its dynamic range 695

Struyf, H.  
—, Van Roy, W., Van Vaeck, L., Van Grieken, R., Gijbels, R. and Caravatti, P.  
Laser microprobe Fourier transform mass spectrometer with external ion source for organic and inorganic micro-analysis 139

Sugamoto, H., see Kawabata, Y. 689

Tauler, R., see Casassas, E. 538  
Tölg, G.  
Problems and trends in extreme trace analysis for the elements 3

Treece, R.E., see Franke, D. 987

Uchida, T.  
—, Isoyama, H., Oda, H., Wada, H. and Uenoyama, H.  
Determination of ultratrace metals in biological standards by inductively coupled plasma atomic emission spectrometry with ultrasonic nebulisation 881

Uebbing, J., see Hiddemann, L. 152  
Uenoyama, H., see Uchida, T. 881

Valcárcel, M., see Fernández-Romero, J.M. 447  
Valcárcel, M., see Marcos, J. 429  
Valcárcel, M., see Richter, P. 408  
Valcarcel, M., see Quevauviller, Ph. 600  
Valdés-Hevia y Temprano, M.C.  
—, Aizpún Fernández, B., Fernández de la Campa, M.R. and Sanz-Medel, A.  
Study of the influence of ordered media on the determination of lead by hydride generation inductively coupled plasma atomic emission spectrometry 175

Valencia-González, M.J.  
—, Liu, Y.M., Díaz-García, M.E. and Sanz-Medel, A.  
Optosensing of D-glucose with an immobilized glucose oxidase minireactor and an oxygen room-temperature phosphorescence transducer 439

Van der Linden, W.E., see Palys, M.J. 811  
Vanderzande, D., see Hoogmartens, I. 1025  
Van Grieken, R., see Struyf, H. 139  
Van Renterghem, D., see Quevauviller, Ph. 600  
Van Roy, W., see Struyf, H. 139  
Van Vaeck, L., see Struyf, H. 139  
Van Zoonen, P., see Sancho-Llopis, J.V. 287  
Verdú-Andrés, J., see Bosch-Reig, F. 831

Vereda Alonso, E.  
—, Cano Pavon, J.M., Garcia de Torres, A. and Siles Cordero, M.T.  
Determination of nickel in biological samples prepared by microwave dissolution using electrothermal atomic absorption spectrometry after extraction with 1,5-bis[phenyl-(2-pyridyl)methylene] thiocarbonhydrazide 224

Viñas, P.  
—, Campillo, N., López García, I. and Hernández Córdoba, M.  
Flow-injection flame atomic absorption spectrometry for slurry atomization. Determination of calcium, magnesium, iron, zinc and manganese in vegetables 393

Vincze, L., see Janssens, K. 98

Voigtman, E.  
Computer experimentation in and teaching of modern instrumental techniques using circular dichroism measurement as an example 559

Vytrás, K., see Kalous, J. 645

Wada, H., see Uchida, T. 881

Walczak, B.  
— and Wegscheider, W.  
Non-linear modelling of chemical data by combinations of linear and neural net methods 508

Wang, E.  
— and Meyerhoff, M.E.  
Anion selective optical sensing with metalloporphyrin-doped polymeric films 673

Wang, J.  
— and Wu, H.  
Permeselective lipid-poly(*o*-phenylenediamine) coatings for amperometric biosensing of glucose 683

Weber, G.  
Measurement of the speciation of iron in the nanogram range: investigation of chromatographic peaks induced by iron blanks 354

Wegscheider, W., see Walczak, B. 508

Wells, D.E., see Cruz, I. 280

Widmer, H.M., see Harrison, D.J. 361

Wu, H., see Wang, J. 683

Xu, J.G., see Li, Y.Q. 903

Yap, M.G.S., see Huang, Y.L. 763

Yasuda, T.-o., see Kawazumi, H. 111

Zagatto, E.A.G., see Arruda, M.A.Z. 476

Zen, Y., see Peng, X. 887

Zinn, P., see Bruchmann, A. 869